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1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on research**

Publisher: IBM Press

Full text available: pdf(4.21 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process execution graphs are often used to obtain a better understanding of the execution of the application. The visualization event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display occurrences of non-trivial communication patterns.

2 [Client-server computing in mobile environments](#)



Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

 June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2

Publisher: ACM Press

Full text available: pdf(233.31 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index term](#)

Recent advances in wireless data networking and portable information appliances have engendered mobile computing, in which users carrying portable devices have access to data services regardless of their physical location or movement behavior. In the meantime, research access in mobile environments has proliferated. In this survey, we provide a concrete framework for the various ways...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, operation, mobile applications, mobile client/server, mobile computing, mobile data, mobility aware application

3 [Software: VRPN: a device-independent, network-transparent VR peripheral system](#)



Russell M. Taylor, Thomas C. Hudson, Adam Seeger, Hans Weber, Jeffrey Juliano, Aron T. Helser

 November 2001 **Proceedings of the ACM symposium on Virtual reality software and technology**

Publisher: ACM Press

Full text available: pdf(344.60 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index term](#)

The Virtual-Reality Peripheral Network (VRPN) system provides a device-independent and network-transparent interface to virtual-reality peripherals. VRPN's application of factoring by function and of layering in the architecture...

produces an interface that is novel and powerful. VRPN also integrates a wide range of known a publicly-available system. These techniques benefit both direct VRPN users and those who im applications that make use of VR periphe ...

Keywords: input devices, interactive graphics, library, peripherals, virtual environments, virtu

4 Pen computing: a technology overview and a vision



André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Publisher: ACM Press

Full text available: pdf(5.14 MB)

Additional Information: [full citation](#), [abstract](#), [citing](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as industry itself. The visible difference from other technologies is in the use of a pen or pencil as interaction between a user and a machine, picking up the familiar pen and paper interface meta a set of consequences that will be analyzed and put into context with other emerging technolog with a short historic ...

5 Virtual machine monitors: Terra: a virtual machine-based platform for trusted computing



Tal Garfinkel, Ben Pfaff, Jim Chow, Mendel Rosenblum, Dan Boneh

October 2003 **Proceedings of the nineteenth ACM symposium on Operating systems princip**

Publisher: ACM Press

Full text available: pdf(140.31 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [ind](#)

We present a flexible architecture for trusted computing, called Terra, that allows applications v security requirements to run simultaneously on commodity hardware. Applications on Terra enj running on a separate, dedicated, tamper-resistant hardware platform, while retaining the abilit with normal applications on a general-purpose computing platform. Terra achieves this synthesi *virtual machine monitor* (TVMM) ...

Keywords: VMM, attestation, authentication, trusted computing, virtual machine, virtual mach

6 Experience with the virtual notebook system: abstraction in hypertext



Jerry Fowler, Donald G. Baker, Ross Dargahi, Vram Kouramajian, Hillary Gilson, Kevin Brook Long, Anthony Gorry

October 1994 **Proceedings of the 1994 ACM conference on Computer supported cooperativ**

Publisher: ACM Press

Full text available: pdf(1.49 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [ind](#)

The Virtual Notebook System (VNS) is a distributed collaborative hypertext system that has ma transition from research prototype to commercial product. Experience in developing and deployi settings including biomedical research, undergraduate education, and collaborative system prot insight into the use of systems for computer-supported cooperative work (CSCW). This paper pi of the VNS, discusses some of its str ...

Keywords: CSCW, Dexter model, VNS, VOM, collaboration, consortium, hypertext, memento, i

7 Creating host compliance in a portable framework: a study in the reuse of design patterns



Phillip M. Yelland

October 1996 **ACM SIGPLAN Notices , Proceedings of the 11th ACM SIGPLAN conference on programming, systems, languages, and applications OOPSLA '96**, Volume 31 Iss

Publisher: ACM Press

Full text available: pdf(1.38 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [ind](#)

This report describes an experiment carried out at ParcPlace-Digitalk which sought to increase the compliance of portable applications built using the company's Smalltalk-based VisualWorks product structure of the current VisualWorks user interface framework, and the precise requirements with which the system sought to fulfill. We go on to show how we were able to reuse design patterns from the previous fashion, to direct the evolution ...

8 Summary of the Second International Workshop on Network and Operating System Support



Video

Ralf Guido Herrtwich

April 1992 **ACM SIGOPS Operating Systems Review**, Volume 26 Issue 2

Publisher: ACM Press

Full text available: [pdf\(2.58 MB\)](#)

Additional Information: [full citation](#), [index terms](#)

9 Designing Dexter-based hypermedia services for the World Wide Web



Kaj Grønbaek, Niels Olof Bouvin, Lennert Sloth

April 1997 **Proceedings of the eighth ACM conference on Hypertext**

Publisher: ACM Press

Full text available: [pdf\(1.08 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: ActiveX, Dexter hypertext reference model, HTML, Java, JavaScript, OLE, World Wide Web, open hypermedia service

10 Semantics and dialog: A look under the hood: design and development of the first SmartWeb demonstrator



Norbert Reithinger, Simon Bergweiler, Ralf Engel, Gerd Herzog, Norbert Pfleger, Massimo Romanelli
October 2005 **Proceedings of the 7th international conference on Multimodal interfaces ICI**

Publisher: ACM Press

Full text available: [pdf\(256.46 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Experience shows that decisions in the early phases of the development of a multimodal system can influence the life-cycle of a project. The distributed architecture and the requirement for robust multimodal interaction in SmartWeb resulted in an approach that uses and extends W3C standards like EMMA and RDFS. The interface structure and content allowed us to integrate available tools and techniques. However, the system called for various ...

Keywords: interaction design, multimodality, semantic web

11 Enhancing workflows by web technology



Wolfgang Gräther, Wolfgang Prinz, Sabine Kolvenbach

November 1997 **Proceedings of the international ACM SIGGROUP conference on Supporting groupware integration challenge**



Publisher: ACM Press

Full text available: [pdf\(1.34 MB\)](#)



Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: HTML, Internet, electronic circulation folder, workflow

12 A confederation of tools for capturing and accessing collaborative activity

-  Scott Minneman, Steve Harrison, Bill Janssen, Gordon Kurtenbach, Thomas Moran, Ian Smith, Bill
January 1995 **Proceedings of the third ACM international conference on Multimedia**
Publisher: ACM Press
Full text available:  [htm\(73.96 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: CSCW, activity capture, content-and content-based indexing and retrieval, digital a distributed multimedia systems, real-time indexing, usability, user interfaces

- 13 Managing update conflicts in Bayou, a weakly connected replicated storage system
 D. B. Terry, M. M. Theimer, Karin Petersen, A. J. Demers, M. J. Spreitzer, C. H. Hauser
December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM Operating systems principles SOSP '95**, Volume 29 Issue 5
Publisher: ACM Press
Full text available:  [pdf\(1.56 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 14 Interaction II: High quality parametric visual product configuration systems over the web
 Alvaro Segura, Iosu Arizkuren, Iñaki Aranburu, Iñaki Telleria
March 2005 **Proceedings of the tenth international conference on 3D Web technology**
Publisher: ACM Press
Full text available:  [pdf\(529.97 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#):




Visual product configuration systems over the Web promise to significantly improve the core bu product and service companies. Such systems allow clients to remotely configure products by ir set of options and instantly visualizing their resulting 3D representations on-line. This type of fu rare on the Web and the few provided solutions are typically far from being satisfying for highly The main limitations ...

Keywords: E-commerce, Web3D, rendering, visual configuration

- 15 Parallel shared-memory simulator performance for large ATM networks
 Brian Unger, Zhongge Xiao, John Cleary, Jya-Jang Tsai, Carey Williamson
October 2000 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 10
Publisher: ACM Press
Full text available:  [pdf\(223.11 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [ind](#)

A performance comparison between an optimistic and a conservative parallel simulation kernel Performance of the parallel kernels is also compared to a central-event-list sequential kernel. A network and traffic scenarios representative of those used by ATM networking researchers are u Experiments are conducted with a cell-level ATM network simulator and an 18-processor SGI Pc memory multiprocessor. The resul ...

Keywords: ATM network modeling, conservative synchronization, optimistic synchronization, p simulation, time warp

- 16 Where were we: making and using near-synchronous, pre-narrative video
 Scott L. Minneman, Steven R. Harrison
September 1993 **Proceedings of the first ACM international conference on Multimedia**
Publisher: ACM Press
Full text available:  [pdf\(197.50 KB\)](#)  [ps\(1.50](#) Additional Information:

[MB\)](#)





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Keywords: collaboration, digital video, distributed work, group work, video indexing

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